



# Faculty of Allied Health Sciences

## *University of Peradeniya*



**Student Hand Book**  
**2015**



**FACULTY OF ALLIED HEALTH SCIENCES  
UNIVERSITY OF PERADENIYA**

**HAND BOOK - 2015/2016**

Faculty of Allied Health Sciences - University of Peradeniya

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## **Vision and Mission**

The **vision** of the Faculty of Allied Health Sciences is to be an internationally recognized leader in allied health education.

The **mission** is to provide nationally and internationally accredited undergraduate and postgraduate education and training through conduct of research and dissemination of knowledge to produce competent professionals having social sensitivity and humane qualities.

## Message from the Vice Chancellor

It is with great pleasure that I send this message on the occasion of admitting the new batch (2014/2015) of enrolments to the faculty of Allied Health Sciences.

The University of Peradeniya is the largest and the most comprehensive in both undergraduate and post graduate studies, with nine faculties and four post graduate institutes covering almost all the fields of studies.

The Faculty of AHS offers six degree programmes through that the University produce graduate Nurses and graduate paramedics to the country and in the world. These 120 credit degree programmes and well accepted locally as well as internationally.

Being student of the AHS should remind you the extent of your responsibility not only towards the faculty but also to the University and eventually to the society and elsewhere your forum is especially meted by the sick and needy people.

I strongly believe that you are a privileged group of students who have been able to serve a position in the reputed and fast growing faculty where a competent and dedicated staff is looking forward to train you and your future career. I take this opportunity to request you to make maximum use of the privilege without measuring it. Finally, I wish you a very

Professor Upul B. Dissanayake  
University of Peradeniya  
Peradeniya



## Message from the Dean

Congratulations, and welcome to the Faculty of Allied Health Sciences, University of Peradeniya. The staff and students of this Faculty warmly welcome you with open arms.

You are considered a very privileged group of students admitted to the largest and well comprehensive University in Sri Lanka to follow the degree courses in Nursing/Pharmacy/Medical Laboratory Science/Physiotherapy/Radiography and Radiotherapy. All the degree courses are designed as internationally accepted 120 credit/four year programmes.



We anticipate a wide job market for you, both at home and abroad when you qualify. Your career shall be noble profession engraved with a desire for care to alleviate human suffering. Thus, future, prosperity and opportunity shall also depend upon your commitment, performance and contribution to follow the courses offered without disruption.

I wish you well in your chosen field of study and hope that your studies at the Faculty of Allied Health Sciences will fulfill your aspirations and pave the way for a rewarding career.

Professor D.B. Mahinda Wickramaratne  
Faculty of Allied Health Sciences  
University of Peradeniya  
Peradeniya







## **Background**

### **University of Peradeniya**

The University of Peradeniya traces its origin to the University of Ceylon established by the Ceylon University ordinance in Colombo, in July 1942. It was later transferred to Peradeniya which could house several faculties, halls of residence, staff quarters etc. while Sir William Ivor Jennings, the key personality responsible for the process became the first Vice Chancellor of the “University of Ceylon, Peradeniya” which was opened on 20<sup>th</sup> April, 1954 by the Duke of Edinburgh. However, according to the university act No 16 of 1978 section 139-1, Peradeniya campus was re-established as an independent university, as “University of Peradeniya – Sri Lanka.” Currently, the University of Peradeniya consists of nine academic faculties, namely, Faculty of Agriculture, Faculty of Allied Health Sciences, Faculty of Arts, Faculty of Dental Sciences, Faculty of Engineering, Faculty of Management, Faculty of Medicine, Faculty of Science, Faculty of Veterinary Medicine and Animal Sciences and 2 postgraduate institutes, namely Post Graduate Institute of Agriculture and Post Graduate Institute of Science.

### **Faculty of Allied Health Sciences (FAHS)**

Faculty of Allied Health Sciences (FAHS) was inaugurated on 16<sup>th</sup> July 2007. The faculty comprises of five departments conducting B.Sc. degree programmes in Physiotherapy, Nursing, Medical Laboratory Science, Radiography, Radiotherapy and Bachelor of Pharmacy. As the faculty offers professional degree programmes, students are introduced to basic concepts in medical sciences followed by mandatory hospital based training. All degree programmes consist of 120 credits curricula which have been designed in par with International standards. Several departments have established active foreign collaborations in teaching and research.

## **Faculty Administration**

### **Office of the Dean**

The Dean is the academic and administrative Head of the Faculty and is assisted by the Assistant Registrar, Assistant Bursar and a team of clerical, technical, and other service staff members. The Office of the Dean is the administrative centre of the faculty. Student matters related to course registration, student requests and examinations are handled by the Office of the Dean.

Prof. D.B. Mahinda Wickramaratne  
Dean

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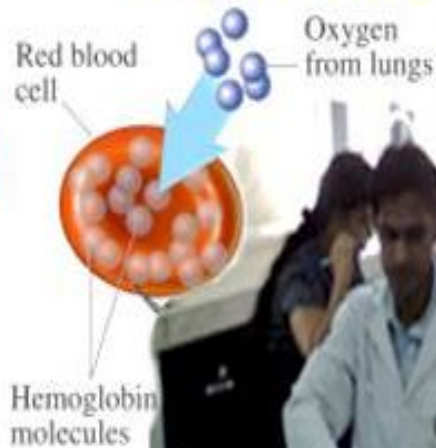
## **Academic Programmes**

- Bachelor of Science in Medical Laboratory Science
- Bachelor of Science in Nursing
- Bachelor of Pharmacy
- Bachelor of Science in Physiotherapy
- Bachelor of Science in Radiography and Radiotherapy

Faculty of Allied Health Sciences - University of Peradeniya

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# Department of Medical Laboratory Science



Target cell

Spherocyte

Ovalocyte

hil

Stomatocyte

kle cell

Results: Reference Range:

7.27

7.35-7.45

48mmHg

35-45 mmHg

Glucose  
Red blood cells  
Hematocrit  
Mean cell hemoglobin



## Department of Medical Laboratory Sciences

### Academic Staff

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Dr. M.P.S. Mudalige; *B.Sc. (SJP), Ph.D. (SL)* - ***Head of the Department***

Dr. H.M.T.U. Herath; *B.Sc. (PDN), Ph.D. (UK)*

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Ms. S. Thilakarathne; *B.Sc. (PDN)*

Ms. R.M.H.W. Rathnayake; *B.Sc. (PDN)*

### Division of Basic Sciences

Dr.T.N. Haththotuwa; *B.VSc. (PDN)*

Ms. T.P. Gamagedara; *B.Sc. (PDN)*

## Course Units Offered by the Department

### 1000 LEVEL – SEMESTER I

Course Number	Course Title	No. of Credits	Prerequisites
AH 1101	English and Communication Skills I	None Credit	None
AH 1102	Information Technology	None Credit	None
AH 1103	Basic Human Anatomy	2	None
AH 1104	Human Physiology I	3	None
ML 1101	Laboratory Practice, Safety and First Aid	2	None
ML 1102	General Microbiology	2	None
ML 1103	Genetics and Molecular Biology	2	None
ML 1104	Basic Biochemistry	3	None

### 1000 LEVEL – SEMESTER II

Course Number	Course Title	No. of Credits	Prerequisites
AH 1201	English and Communication Skills II	None Credit	AH 1101
AH 1202	Basic Statistics	2	None
AH 1203	General Pathology	2	AH 1103, AH 1104, ML 1104
AH 1204	Human Physiology II	3	AH 1104
ML 1201	Specimen Collection and Transport	2	None
ML 1202	Analytical Chemistry	3	None
ML 1203	Tissues of the Body	1	AH 1103
ML 1204	Systematic Bacteriology	2	None

### 2000 LEVEL – SEMESTER I

Course Number	Course Title	No. of Credits	Prerequisites
AH 2101	English and Communication Skills III	None Credit	AH 1201
ML 2101	Haematology I	3	None
ML 2102	Clinical Biochemistry I	3	ML 1104, MI 1202
ML 2103	Histotechnology	3	None
ML 2104	Systematic Virology and Mycology	2	None

ML 2105	Systematic Parasitology and Medical Entomology	2	None
ML 2106	Diagnostic Bacteriology	3	ML 1102, ML 1204, ML 2104

## 2000 LEVEL – SEMESTER II

Course Number	Course Title	No. of Credits	Prerequisites
AH 2201	English and Communication Skills IV	None Credit	AH 2101
ML 2201	Haematology II	3	ML 2101
ML 2202	Clinical Biochemistry II	3	ML 2102
ML 2203	Diagnostic Virology and Mycology	2	ML 2104
ML 2204	Cytotechnology	2	AH 1203, ML 1203
ML 2205	Diagnostic Parasitology	2	ML 2105
ML 2206	Immunotechnology	2	None

## 3000 LEVEL – SEMESTER I

Course Number	Course Title	No. of Credits	Prerequisites
AH 3101	English and Communication Skills V	None Credit	AH 2201
ML 3101	Haematology III	2	ML 2201
ML 3102	Clinical Biochemistry III	3	ML 2202
ML 3103	Public Health Microbiology	2	None
ML 3104	Laboratory Quality Assurance and Accreditation	3	None
ML 3105	Laboratory Management	2	None
ML 3106	Biomedical Instrumentation	1	None

## 3000 LEVEL – SEMESTER II

Course Number	Course Title	No. of Credits	Prerequisites
ML 3201	WBL - Haematology I	4	ML 2101, ML 2201, ML 3101
ML 3202	WBL - Clinical Biochemistry I	4	ML 2102, ML 2202, ML 3102
ML 3203	WBL - Blood Bank Serology	2	ML 2101, ML 2201, ML 3101
ML 3204	WBL - Histotechnology I	3	ML 2103
ML 3205	WBL - Microbiology I	3	ML 2203, ML 3103

ML 3206                      WBL - Immunotechnology and Hormone Assays   1

ML 2206, ML 3102

#### **4000 LEVEL – SEMESTER I**

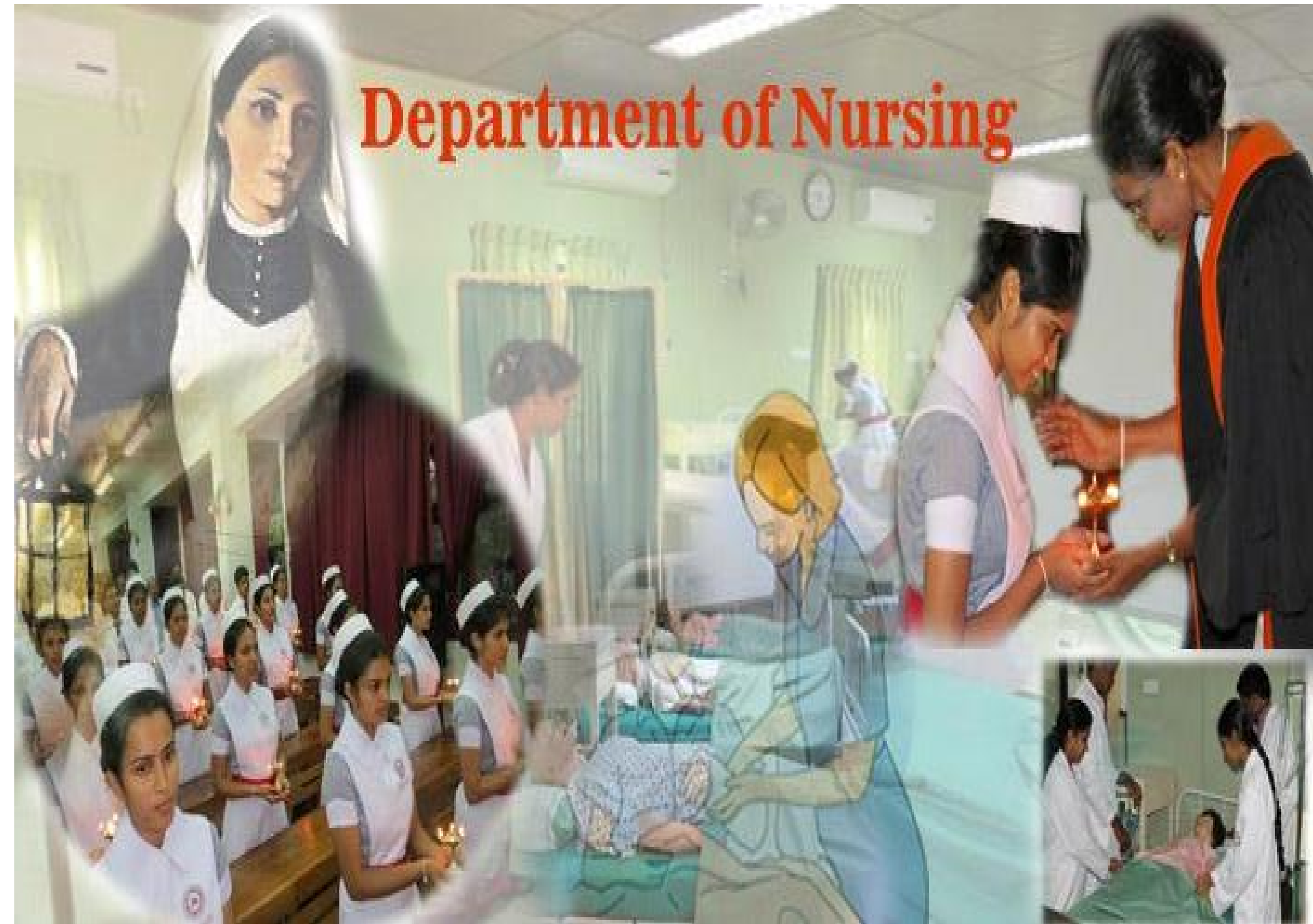
<b>Course Number</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
ML 4101	WBL - Haematology II	3	ML 3201
ML 4102	WBL - Clinical Biochemistry II	3	ML 3202
ML 4103	WBL - Microbiology II	2	ML 3205
ML 4104	WBL - Histotechnology II and Cytotechnology	3	ML 3204, ML 2204
ML 4105	WBL - Emergency Laboratory Tests	1	None
ML 4106	WBL - Medical Parasitology and Entomology	2	ML 2105, ML 2205
ML 4107	WBL - Sexually Transmitted Diseases	1	ML 1102, ML 1204, ML 2104, ML 2203, ML 3103
ML 4108	WBL – Laboratory Management	1	ML 3105
ML 4109	Research Methodology and Scientific Writing	2	AH 1202

#### **4000 LEVEL – SEMESTER II**

<b>Course Number</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
AH 4201	Scientific English	None Credit	None
ML 4201	Biotechnology	1	ML 1103
ML 4202	Experimental Laboratory Medicine	2	None
ML 4203	Bioethics	1	None
ML 4204	Healthcare Marketing	1	None
ML 4205	Applied Statistics	2	None
ML 4206	Research Project	6	AH 1202
ML 4207	Human Resource Management	1(Optional)	None

WBL – Work Based Learning

# Department of Nursing





## Department of Nursing

### Academic Staff

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Faculty of Allied Health Sciences - University of Peradeniya

## Course Units Offered by the Department

### 1000 LEVEL – SEMESTER I

Course code	Course Title	No. of Credits	Prerequisites
AH 1101	English and Communication Skills I	None Credit	None
AH 1102	Information Technology	None Credit	None
AH 1103	Basic Human Anatomy	2	None
AH 1104	Human Physiology I	3	None
AH 1106	Introduction to psychology	2	None
NS 1101	Basic Biochemistry for Nurses	3	None
NS 1102	Nursing Theory and Practice I	2	None
NS 1104	Community Health Nursing I	1	None
NS 1105	Sociology and Anthropology	1	None

### 1000 LEVEL – SEMESTER II

Course code	Course Title	No. of Credits	Prerequisites
AH 1201	English and Communication Skills II	None Credit	AH 1101
AH 1202	Basic Statistics	2	None
AH 1203	General Pathology	2	AH 1103, AH 1104
AH 1204	Human Physiology II	3	AH 1104
NS 1201	Human Anatomy for Nurses	2	None
NS 1202	Nursing Theory and Practice II	4	None
NS 1203	Pharmacology I	1	None
NS 1205	Microbiology for Nurses	1	None

**2000 LEVEL – SEMESTER I**

<b>Course code</b>	<b>CourseTitle</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
AH 2101	English and Communication Skills III	None Credit	AH 1201
NS 2101	Adult Nursing I	4	None
NS 2102	Nursing Theory and Practice III	4	None
NS 2103	Pharmacology II	2	None
NS 2104	Community Health Nursing II	2	None
NS 2105	Communication Skills in Nursing	1	None
NS 2106	Pathology for Nurses	2	None

**2000 LEVEL – SEMESTER II**

<b>Course code</b>	<b>CourseTitle</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
AH 2201	English and Communication Skills IV	None Credit	AH 2101
NS 2201	Adult Nursing II	5	None
NS 2202	Nursing Theory and Practice IV	4	None
NS 2203	Community Health I	2	None
NS 2205	Health Promotion	1	None
NS 2207	Ethical and Professional Issues	1	None
NS 2208	Trends in Nursing	1	None

**3000 LEVEL – SEMESTER I**

<b>Course code</b>	<b>CourseTitle</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 3101	Adult Nursing III	4	None
NS 3102	Nursing Theory and Practice V	4	None
NS 3103	Community Health II	1	None
NS 3104	Child Health Nursing I	2	None
NS 3105	Epidemiology	1	None
NS 3106 A	Maternity Nursing I (Theory)	1	None
NS 3106 B	Maternity Nursing I (Practical)	1	None
NS 3109	Nutrition and Dietetics	2	None
NS 3116 B	Urology I	1	None

**3000 LEVEL – SEMESTER II**

<b>Course code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 3201	Adult Nursing IV	3	None
NS 3202	Nursing Theory and Practice VI	4	None
NS 3204	Child Health Nursing II	2	None
NS 3206 A	Maternity Nursing II (Theory)	1	None
NS 3206 B	Maternity Nursing II (Practical)	1	None
NS 3207	Emergency and Disaster Nursing	2	None
NS 3208	Critical Care Nursing	2	None
NS 3216 B	Urology II	1	None

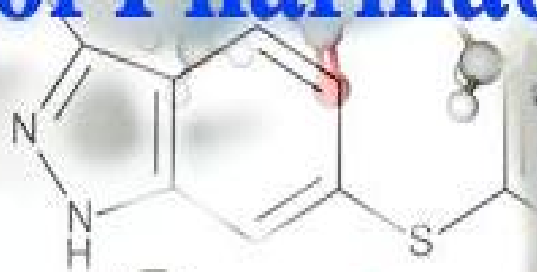
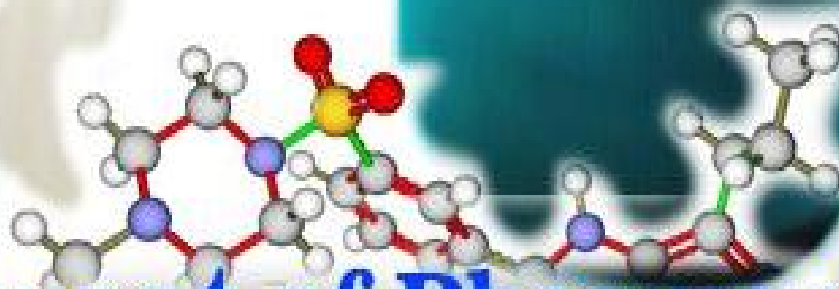
**4000 LEVEL – SEMESTER I**

<b>Course code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 4102	Nursing Theory and Practice VII	4	None
NS 4103	Leadership and Management	1	None
NS 4104	Child Health Nursing III	2	None
NS 4106 A	Maternity Nursing III (Theory)	1	None
NS 4106 B	Maternity Nursing III (Practical)	1	None
NS 4109	Scientific Writing and Communication in Nursing	1	None
NS 4111	Psychiatric Nursing and Mental Health	5	None
NS 4116 B	Nursing in Trauma Management I	1	None

**4000 LEVEL – SEMESTER II**

<b>Course code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
NS 4202	Nursing Theory and Practice VIII	4	None
NS 4204	Child Health Nursing IV	2	None
NS 4206 A	Maternity Nursing IV (Theory)	1	None
NS 4206 B	Maternity Nursing IV (Practical)	1	None
NS 4209	Research Project	6	None
NS 4210	Teaching and Learning	2	None
NS 4216 B	Nursing in Trauma Management II	1	None

# Department of Pharmacy





## Department of Pharmacy

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Ms. R.K. Suraweera; *B. Pharm. (PDN)*

Mr. N.M.Y. Bagyawantha; *B. Pharm. (PDN)*

## Course Units Offered by the Department

### 1000 LEVEL – SEMESTER I

Course code	CourseTitle	No. of Credits	Prerequisites
AH 1101	English and Communication Skills I	None Credit	None
AH 1102	Information Technology	None Credit	None
AH 1103	Basic Human Anatomy	2	None
AH 1104	Human Physiology I	3	None
PM 1101	Social Pharmacy	1	None
PM 1102	General Microbiology	2	None
PM 1103	Biochemistry I	2	None
PM 1104	Pharmaceutical Mathematics	2	None
PM 1105	Pharmaceutical Chemistry I (Organic)	3	None

### 1000 LEVEL – SEMESTER II

Course Code	CourseTitle	No. of Credits	Prerequisites
AH 1201	English and Communication Skills II	None Credit	AH 1101
AH 1202	Basic Statistics	2	None
AH 1203	General Pathology	2	AH 1103, AH 1104
AH 1204	Human Physiology II	3	AH 1104
PM 1201	Physical Pharmacy I	3	None
PM 1202	Pharmaceutical Microbiology	3	None
PM 1203	Biochemistry II	2	PM 1103

### 2000 LEVEL – SEMESTER I

Course Code	CourseTitle	No. of Credits	Prerequisites
AH 2101	English and Communication Skills III	None Credit	None
PM 2101	Physical Pharmacy II	3	None
PM 2102	Pharmaceutical Dosage Forms I	3	None
PM 2103	Pharmacognosy I	2	None
PM 2104	Pharmacology I	3	None

PM 2105	Community Pharmacy Practice	2	None
PM 2106	Therapeutic Principles	2	None
PM 2107	IT for Pharmacy (Foundation Course)	None Credit	AH 1202

#### 2000 LEVEL – SEMESTER II

Course Code	Course Title	No. of Credits	Prerequisites
AH 2201	English and Communication Skills IV	None Credit	None
PM 2201	Pharmaceutical Chemistry II (Analytical)	2	PM 2107
PM 2202	Pharmaceutical Dosage Forms II	3	None
PM 2203	Pharmacognosy II	3	None
PM 2204	Pharmacology II	3	None
PM 2205	Pharmaceutical Technology	4	PM 1201

#### 3000 LEVEL – SEMESTER I

Course Code	Course Title	No. of Credits	Prerequisites
PM 3101	Instrumental Methods in Pharmaceutical Chemistry	3	PM 2107
PM 3102	Pharmaceutical Dosage Forms III	3	None
PM 3103	Pharmacognosy III	3	None
PM 3104	Pharmacology III	3	None
PM 3105	Hospital and Institutional Pharmacy	2	None
PM 3106	Novel Therapeutic Dosage Forms	2	None

#### 3000 LEVEL – SEMESTER II

Course Code	Course Title	No. of Credits	Prerequisites
PM 3201	Bio-pharmaceutics	3	None
PM 3202	Pharmaceutical Biotechnology	3	None
PM 3203	Hospital Pharmacy Practice	3	None
PM 3204	Pharmacology IV	2	None
PM 3205	Research Methodology, Scientific Writing and Presentation	2	None

**4000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
PM 4101	Medicinal Chemistry I	2	None
PM 4102	Clinical Pharmacy I	3	None
PM 4103	Pharmacognosy IV	2	None
PM 4104	Pharmacy Law and Ethics I	2	None
PM 4105	Pharmacoeconomics	3	None
PM 4106	Research Project	6	None

**4000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
PM 4201	Medicinal Chemistry II	3	None
PM 4202	Clinical Pharmacy II	3	None
PM 4203	Pharmaceutical Management	3	None
PM 4204	Pharmacy Law and Ethics II	2	None
PM xxxx	Optional Module	2	None

**OPTIONAL MODULES**

PM 4205	Pharmaceutical Marketing Management	2	None
PM 4206	Drug Discovery and Development	2	None
PM 4207	Advanced Pharmacy Practice	2	None

# Department Of Physiotherapy



## Department of Physiotherapy

### Academic Staff

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## Course Units Offered by the Department

### 1000 LEVEL – SEMESTER I

Course Code	Course Title	No. of Credits	Prerequisites
AH 1101	English and Communication Skills 1	None Credit	None
AH 1102	Information Technology	None Credit	None
AH 1103	Basic Human Anatomy	2	None
AH 1104	Human Physiology I	3	None
AH 1106	Introduction to Psychology	2	None
PT 1101	Biochemistry for Physiotherapists	2	None
PT 1102	Microbiology for Physiotherapists	1	None
PT 1103	Physiotherapy as a Profession	2	None
PT 1104	Pathology for Physiotherapists	3	None

### 1000 LEVEL – SEMESTER II

Course Code	Course Title	No. of Credits	Prerequisites
AH 1201	English and Communication Skills II	None Credit	AH 1101
AH 1202	Basic Statistics	2	None
AH 1204	Human Physiology II	3	None
PT 1201	Human Anatomy for Physiotherapists	3	None
PT 1202	Biomechanics I	2	None
PT 1203	Emergency Care in Physiotherapy	2	None
PT 1204	Electro Physical Agents in Physiotherapy I	2	None
PT 1205	Pharmacology for Physiotherapists	2	None

### 2000 LEVEL – SEMESTER I

Course Code	Course Title	No. of Credits	Prerequisites
AH 2101	English and Communication Skills III	None Credit	AH 1201
PT 2101	Biomechanics II	2	None
PT 2102	Physiotherapy Skills I	2	None

PT 2103	Electro Physical Agents in Physiotherapy II	3	None
PT 2104	Introduction to Applied Exercise Science	2	None
PT 2105	Teaching in Physiotherapy	2	None
PT 2106	Physiotherapy in Community Health Rehabilitation	2	None

#### **2000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
AH 2201	English and Communication Skills IV	None Credit	AH 2101
PT 2201	Physiotherapy Skills II	4	None
PT 2202	Musculoskeletal Physiotherapy I	3	None
PT 2203	Neurological Physiotherapy I	3	None
PT 2204	Common Medical Obstetrics and Gynecological Conditions for Physiotherapists I	2	None
PT 2205	Cardio Respiratory and General Surgical Conditions for Physiotherapists I	3	None

#### **3000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
PT 3101	Pediatric Physiotherapy I	2	None
PT 3102	Musculoskeletal Physiotherapy for Upper Limbs	3	None
PT 3103	Neurological Physiotherapy II	3	None
PT 3104	Common Medical Obstetrics and Gynecological Conditions for Physiotherapists II	2	None
PT 3105	Cardio Respiratory and General Surgical Conditions for Physiotherapists II	3	None
PT 3106	Physiotherapy in Burns	2	None

#### **3000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
PT 3201	Musculoskeletal Physiotherapy for Spine and Lower Limb	3	None
PT 3202	Pediatric Physiotherapy II	3	None
PT 3203	Physiotherapy in Sports	4	None
PT 3204	Evidence Based Practice in Physiotherapy	2	None
PT 3205	Research Methodology	3	None



**4000 LEVEL – SEMESTER I**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
AH 4101	Proposal Formulation and Presentation	2	None
PT 4101	Geriatric Physiotherapy	3	None
PT 4102	Clinical Practice in Musculoskeletal Physiotherapy	5	None
PT 4103	Clinical Practice in Common Medical, Obstetrics and Gynaecological Conditions for Physiotherapists	3	None
PT 4104	Clinical Practice in Rehabilitation and Community Role	3	None

**4000 LEVEL – SEMESTER II**

<b>Course Code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
PT 4201	Clinical Practice in Neurology and Neurosurgery	5	None
PT 4202	Clinical Practice in Intensive Care Unit	3	None
PT 4203	Clinical Practice in Cardio Respiratory and Surgical Conditions	3	None
PT 4204	Research Project in Physiotherapy	4	None
PT 4205	Introduction to Related Health Care Professions	None	None

ATTEND TO EXPRESSION

# Department of Radiography and Radiotherapy

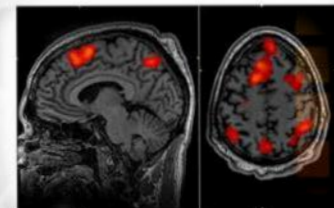
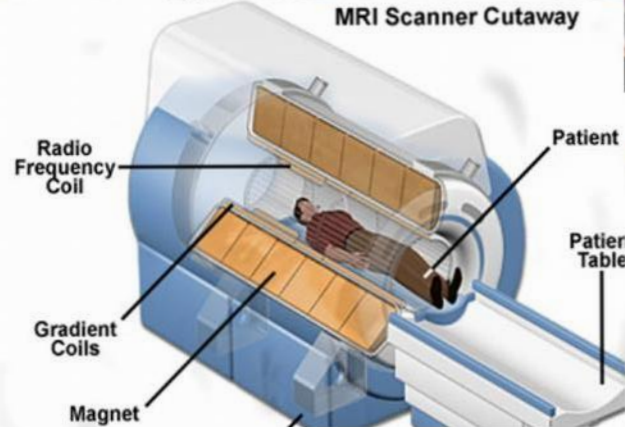
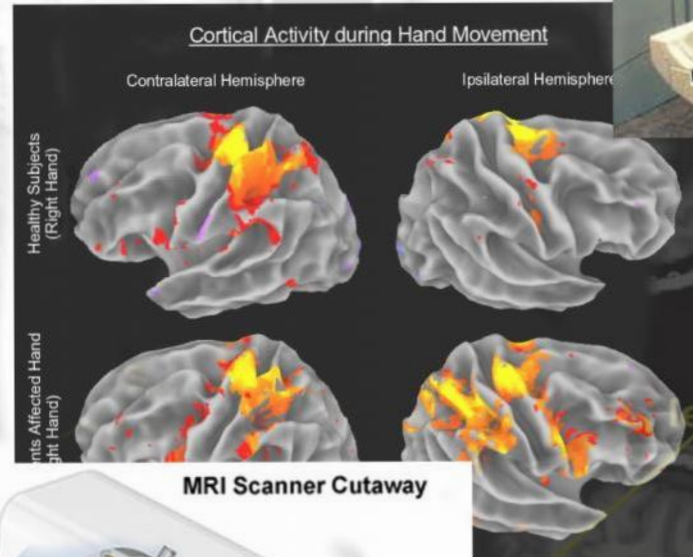


$n=10$

Superior

**BODY  
SCAN**

Medial  
Frontal



## **Department of Radiography/Radiotherapy**

### **Academic Staff**

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Faculty of Allied Health Sciences - University of Peradeniya

## Course Units Offered by the Department

### 1000 LEVEL – SEMESTER I

Course code	CourseTitle	No. of Credits	Prerequisites
AH 1101	English and Communication Skills – I	Non credit	None
AH 1102	Information Technology	Non credit	None
AH 1103	Basic Human Anatomy	2	None
AH 1106	Introduction to Psychology	2	None
RA 1101	Human Physiology	2	None
RA 1102	Basic Biochemistry	1	None
RA 1103	General Physics	2	None
RA 1104	Mathematics - I	2	None
RA 1105	Introduction to Electronics and Instrumentation	2	None

### 1000 LEVEL – SEMESTER II

Course code	CourseTitle	No. of Credits	Prerequisites
AH 1201	English and Communication Skills – II	Non credit	AH 1101
AH 1203	General Pathology	2	AH 1103, RA 1101, RA 1102
RA 1201	Atomic and Radiation Physics	2	None
RA 1202	Radiobiology and Radiation Protection	2	None
RA 1203	Applied Anatomy – I	2	AH 1103
RA 1204	Medical Imaging Equipment	3	None
RA 1205	Plain Radiography – I	2	None
RA 1206	Medical Image Processing – I	3	None

### 2000 LEVEL – SEMESTER I

Course code	CourseTitle	No. of Credits	Prerequisites
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AH 2101	English and Communication Skills – III	Non credit	AH 1201
RA 2101	Programming Techniques	3	None
RA 2102	Fluoroscopy – I	2	None
RA 2103	Computed Tomography – I	3	None
RA 2104	Mathematics - II	2	RA 1104
RA 2105	Modern Physics	2	RA 1103
RA 2106	Care of Patient - I	2	None
RD 2101	Mammography – I	1	RA 1201, RA 1205,
RD 2102	Plain Radiography – II	2	AH 1103, RA 1205
RT 2101	Radiotherapy Equipment and Physics – I	2	None
RT 2102	Molecular Oncology	2	None

#### 2000 LEVEL – SEMESTER II

Course code	Course Title	No. of Credits	Prerequisites
AH 2201	English and Communication Skills – IV	Non credit	AH 2101
RA 2201	Ethics in Medical Radiation Sciences	1	None
RA 2202	Medical Image Processing - II	3	RA 1206, RA 2101
RA 2203	Common Systemic Diseases	2	None
RA 2204	Magnetic Resonance Imaging – I	3	None
RD 2201	Fluoroscopy - II	3	RA 2102
RD 2202	Plain Radiography – III	3	RA 1205
RT 2201	Principles of Radiotherapy and Oncology	2	RT 2102
RT 2202	Radiotherapy Methods – I	2	None

#### 3000 LEVEL – SEMESTER I

Course code	Course Title	No. of Credits	Prerequisites
RA 3101	Nuclear Imaging – I	3	None
RD 3101	Computed Tomography – II	2	RA 2103
RD 3102	Dental Radiography	2	None
RD 3103	Plain Radiography – IV	2	RD 2102, RD 2202
RD 3104	Applied Anatomy – II	1	AH 1103, RA 1203

RD 3105	Radiation Protection in Radiography	2	RA 1202
RD 3106	Care of patient - II	2	None
RD 3107	Pharmacology for Medical Imaging	1	None
RT 3101	Radiotherapy Physics and Equipment - II	2	RT 2101
RT 3102	Applied Anatomy in Radiotherapy	2	RA 3102
RT 3103	Treatment Planning – I	2	None
RT 3104	Clinical Oncology and Radiotherapy - I	2	RT 2202
RT 3105	Radiotherapy Methods – II	2	RT 2202
RT 3106	Clinical Practice of Radiotherapy - I	2	RT 2202

### 3000 LEVEL – SEMESTER II

Course code	Course Title	No. of Credits	Prerequisites
RA 3201	Statistics	2	None
RD 3201	Magnetic Resonance Imaging - II	2	RA 2204
RD 3202	Imaging in Common Systemic Diseases– I	1	RD 3104
RD 3203	Fluoroscopy - III	2	RD 2201
RD 3204	Paediatric Imaging	2	None
RD 3205	Mammography - II	2	RD 2101`
RD 3206	Computed Tomography - III	3	RA 2103, RD 3101
RT 3201	Radiation Protection and Safety in Radiotherapy	2	RA 1202
RT 3202	Care of Patient – II	2	RA 2106, RT 3104
RT 3203	Treatment Planning – II	2	RT 3103
RT 3204	Clinical Oncology and Radiotherapy - II	2	RT 3105
RT 3205	Quality Assurance in Radiotherapy - I	2	RT 2101
RT 3206	Clinical Practice of Radiotherapy - II	3	RT 3105

### 4000 LEVEL – SEMESTER I

Course code	Course Title	No. of Credits	Prerequisites
RA 4101	Research Methodology	2	None
RD 4101	Maintenance of Medical Imaging Equipment	2	None
RD 4102	Nuclear Imaging – II	2	RA 3101

RD 4103	Applied Anatomy – III	2	RD 3104
RD 4104	Radiation Dosimetry and Applications	2	None
RD 4105	Magnetic Resonance Imaging - III	3	RA 2204, RD 3201
RD 4106	Quality Assurance in Radiography	2	None
RT 4101	Paediatric Radiotherapy	2	None
RT 4102	Quality Assurance in Radiotherapy - II	2	RT 3101
RT 4103	Evidence Based Clinical Practice	2	None
RT 4104	Maintenance of Radiotherapy Equipment	2	RT 2201, RT 3101
RT 4105	Radiation Dosimetry and Applications	2	RA 1201
RT 4106	Clinical Practice of Radiotherapy - III	3	RT 3105

#### **4000 LEVEL – SEMESTER II**

<b>Course code</b>	<b>Course Title</b>	<b>No. of Credits</b>	<b>Prerequisites</b>
RA 4201	Research Project	6	RA 4101
RA 4202	Medical Data Communication	1	RA 2101
RD 4201	Imaging in Common Systemic Diseases- II	2	RD 4104
RD 4202	Ancillary Imaging Techniques	2	None
RD 4203	In-Service Training	4	RD 2202, RD 3103, RD 3203, RD 3206, RD 4103, RD 4106
RT 4201	Treatment Planning – III	2	None
RT 4202	Advanced Radiotherapy Methods	2	RT 2202, RT 3105
RT 4203	In-service Training in Radiotherapy	4	RT 3106, RT 3206, RT 4106, RT 4202



